

OBITUARY NOTICE.

WITH deep regret we have to chronicle the death of A. J. JUKES-BROWNE, which took place at Torquay on August 14 of last year, in his 64th year. He was a nephew of the distinguished geologist, Professor J. Beete Jukes, F.R.S., from whom he derived his compound name. Educated at Cholmondeley School, Highgate, and later at St. John's College, Cambridge, he obtained his B.A. degree in 1874, and in the same year received an appointment on the Geological Survey of Great Britain, under Sir Andrew Ramsay, which he held for twenty-seven years, retiring through ill-health in 1901. He became a Fellow of the Geological Society in 1874, being awarded the Lyell Fund in 1885 and the Murchison Medal in 1901 for meritorious services to geological science. In 1909 he was elected to the Fellowship of the Royal Society. He was a prolific writer on geology in all its branches, and one of our principal authorities on British Cretaceous rocks, his memoirs being mainly published by the Geological Survey, the Geological Society, and in the *Geological Magazine*. He also issued some important treatises on geology, including *The Students' Handbook of Historical Geology*, *The Building of the British Isles: A study in Geographical Evolution*, and *The Students' Handbook of Stratigraphical Geology*; so popular were these works that they sometimes reached two and three editions. While his writings dealt exhaustively with stratigraphy he never neglected the value of palæontological details, being convinced that only by strict zonal work on the fossils characterizing the different strata could accuracy be attained in the classification of the sedimentary deposits. He saw the necessity, therefore, of dividing the Chalk formation into zones, using, as previously suggested by Dr. Barrois and other workers, molluscan species, among other organisms, as index-fossils for the different beds concerned. He wrote, also, on the geology of Barbados in association with J. B. Harrison, and on Cyprus with C. V. Bellamy, while his last published paper, undertaken in conjunction with the present writer, revised the determinations of some Devonian fossils from Torquay made in one of the late Rev. G. F. Whidborne's memoirs, which appeared in the *Geological Magazine* for August last year, just two weeks before he passed away.

Jukes-Browne became a member of the Malacological Society in 1899, and two years later joined the Conchological Society of Great Britain and Ireland. Although unable to attend meetings on account of chronic constitutional weakness, he nevertheless contributed some important and critical essays on the Pelecypoda, both recent and fossil, which treated chiefly of hinge and other internal structures in connexion with the family Veneridæ. He took a warm interest in the vexed question of nomenclature and was always strongly opposed to the use of Bolten's names, which, however, are now very generally adopted by the leading conchologists of the world. He will be remembered by many of us as a voluminous correspondent, because being debarred from visiting museums or collections to examine

types, on account of bodily infirmity, he was obliged to obtain assistance from his co-workers in this direction, before finally presenting a paper for publication. It is no exaggeration to say that such inquiries were often of so analytical a character that a week's research work would sometimes be necessary before a suitable reply could be prepared. As one who was always struggling with impoverished health, it is not a little surprising that he should have accomplished so much, but being fortunately gifted with strong and active mental powers he was enabled to overcome the difficulties attendant upon physical weakness, and in the end to leave an honoured name as an earnest investigator in the realms of natural science.

His papers published in the Proceedings of the Malacological Society are as follows:—

- “ A Review of the Genera of the family Mytilidæ ” : vol. vi, pp. 211–24, 1905.
- “ The Application of Poli's Generic Names ” : vol. viii, pp. 99–103, 1908.
- “ On the Genera of Veneridæ represented in the Cretaceous and Older Tertiary Deposits ” : vol. viii, pp. 148–77, pl. vi, 1908.
- “ The Application of the names *Gomphina*, *Marcia*, *Hemitapes*, and *Katelysia* ” : vol. viii, pp. 233–46, pl. x, 1908.
- “ On *Petricola*, *Lucinopsis*, and the family Petricolidæ ” : vol. ix, pp. 214–24, 1910.
- “ On the Names used by Bolten and Da Costa for genera of Veneridæ ” : vol. ix, pp. 241–52, 1911.
- “ The Nomenclature of the Veneridæ: a Reply to Dr. W. H. Dall ” : vol. x, pp. 36–8, 1912.
- “ The genus *Dosinia* and its Divisions ” : vol. x, pp. 95–104, 1912.
- “ On *Dosinia lucinialis* (Lamk.) and its Synonyms ” : vol. x, pp. 214–16, 1912.
- “ On *Tivela* and *Grateloupia* ” : vol. x, pp. 266–73, 1913.
- “ On *Callista*, *Amiantis*, and *Pitaria* ” : vol. x, pp. 335–47, 1913.
- “ A Synopsis of the family Veneridæ ” : vol. xi, pp. 58–74, 1914.
- “ A Synopsis of the family Veneridæ,” Part II : vol. xi, pp. 75–94, 1914.

Further molluscan papers published in other journals include—

- “ On some questions of Nomenclature ” : Journ. Conch., vol. xi, pp. 97–103, 1904.
- “ *Tapes aureus* and its Allies ” : Journ. Conch., vol. xi, pp. 275–81, 1906.
- “ On a New Species of *Clementia* ” : Ann. Mag. Nat. Hist., ser. VIII, vol. xii, pp. 58–62, pl. i, 1913.
- “ On the Shells known as *Gemma*, *Parastarte*, and *Psephidia* ” : Ann. Mag. Nat. Hist., ser. VIII, vol. xii, pp. 473–80, 1913.
- “ Note on *Clementia subdiaphana*, Carp.” : Ann. Mag. Nat. Hist., ser. VIII, vol. xiii, pp. 338–9, 1914.

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